

**IN THE CLAIMS:**

**Please enter the following amended claims:**

1. (currently amended) A green-compact electrode for electrical discharge surface treatment of a work comprising: a mixed material of a metal powder and a working ~~fluid~~ liquid having a carbon component.
2. (currently amended) A green-compact electrode for electrical discharge surface treatment according to claim 1, wherein the working ~~fluid~~ liquid constitutes 5 wt % to 10 wt % of the green compact electrode.
3. (currently amended) A method of manufacturing a green-compact electrode for electrical discharge surface treatment comprising: the step of compression-molding a mixed material of a metal powder and a working ~~fluid~~ liquid having a carbon component.
4. (currently amended) A method of manufacturing a green-compact electrode for electrical discharge surface treatment according to claim 3, wherein a mixture ratio of the working ~~fluid~~ liquid constitutes 5 wt % to 10 wt % of the green compact electrode.
5. (currently amended) A method of performing electrical discharge surface treatment comprising:  
positioning a green-compact electrode comprised of a mixed material of a metal

powder and a working ~~fluid~~ liquid having a carbon component opposite a work in a second working ~~fluid~~ liquid, which is the same as the working ~~fluid~~ liquid within the green-compact electrode; and

forming a hard coating film on the work by causing electrical discharge between the green compact electrode and the work.

6. (currently amended) An apparatus for performing electrical discharge surface treatment comprising: a green-compact electrode comprised of metal powder and a working ~~fluid~~ liquid having a carbon component; a work; a working tank for receiving said work; and means for causing an electrical discharge between said green compact electrode and said work.

7. (currently amended) A method of recycling a green-compact electrode for electrical discharge surface treatment comprising:

- a) compression molding a mixed material of a metal powder and a working ~~fluid~~ liquid having a carbon component to form the green-compact electrode;
- b) positioning the green-compact electrode opposite a work;
- c) performing discharge surface treatment by causing electrical discharge between the green-compact electrode and the work to form a hard coating on the work;
- d) pulverizing portions of the green-compact electrode which are left after said discharge surface treating has been completed into powder, and
- e) compression molding the powder obtained from the pulverizing step to obtain a new green-compact electrode.

8. (currently added) A method of recycling electrodes used in electrical discharge surface treatment, comprising:

collecting used electrodes which are primarily composed of compressed powders;

pulverizing said used electrodes into a powder; and

compression molding said powder to form new electrodes.